ECO Design: Energy Efficiency Indicator – CDM Compliance to IEC 61800-9-2: 2017

Manufacturer:	Parker Hannifin Manufacturing Germany GmbH & Co KG: Electric Motion & Pneumatic Division
Address:	Robert-Bosch-Str. 22 - 77656 Offenburg (Germany)
Product Series:	**AC890 Series Variable Speed Drives**
Rated Supply Voltage:	3x 230Vac +/-10%
Rated Supply Frequency:	50Hz / 60Hz +/-5%

	Constant Torque																			Quadratic Torque																								
Duty:																																												
Temperature Rating:	0 – 45°C																			0 – 40°C																								
Product Code	P_r (kW)	$I_{r,\,OUT}$ (A)	$S_{r,equ}$ (VA)	$P_{L,\,CDM\,(0,25)}$ (W)	$p_{L,\,CDM\,(0,25)}$ (%)	$P_{L,\,CDM\,(50,25)}$ (W)	$p_{L,\,CDM\,(50,25)}$ (%)	$P_{L,\,CDM\,(0,50)}$ (W)	$p_{L,\,CDM\,(0,50)}$ (%)	$P_{L,\,CDM\,(50,50)}$ (W)	$p_{L,\,CDM\,(50,50)}$ (%)	$P_{L,\,CDM\,(90,50)}$ (W)	$p_{L,\,CDM\,(90,50)}$ (%)	$P_{L,\,CDM\,(0,100)}$ (W)	$p_{L,\,CDM\,(0,100)}$ (%)	$P_{L,\,CDM\,(50,100)}$ (W)	$p_{L,\,CDM\,(50,100)}$ (%)	$P_{L,\,CDM\,(90,100)}$ (W)	$p_{L,\,CDM\,(90,100)}$ (%)	IE2 Compliant	P_r (kW)	$I_{r,\,OUT}$ (A)	$S_{r,equ}$ (VA)	$P_{L,\,CDM\,(0,25)}$ (W)	$p_{L,\,CDM\,(0,25)}$ (%)	$P_{L,\,CDM\,(50,25)}$ (W)	$p_{L,\,CDM\,(50,25)}$ (%)	$P_{L,\,CDM\,(0,50)}$ (W)	$p_{L,\,CDM\,(0,50)}$ (%)	$P_{L,\,CDM\,(50,50)}$ (W)	$p_{L,\,CDM\,(50,50)}$ (%)	$P_{L,\,CDM\,(90,50)}$ (W)	$p_{L,\,CDM\,(90,50)}$ (%)	$P_{L,\,CDM\,(0,100)}$ (W)	$p_{L,\,CDM\,(0,100)}$ (%)	$P_{L,\,CDM\,(50,100)}$ (W)	$p_{L,\,CDM\,(50,100)}$ (%)	$P_{L,\,CDM\,(90,100)}$ (W)	$p_{L,\,CDM\,(90,100)}$ (%)	IE2 Compliant	$P_{L,\,control\,standby}$ (W)
890SD-231300B0-Bxx-xxxxx	**0.55**	**3**	**1195**	57.8	4.84	59.1	4.94	58.2	4.87	60.3	5.05	62.4	5.22	62.4	5.22	66.5	5.57	**71.2**	**5.95**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-231550B0-Bxx-xxxxx	**1.1**	**5.5**	**2191**	63.8	2.91	65.9	3.01	69.0	3.15	73.5	3.35	78.2	3.57	82.3	3.76	91.9	4.19	**103.5**	**4.72**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-231700B0-Bxx-xxxxx	**1.5**	**7**	**2789**	71.0	2.55	73.9	2.65	77.7	2.79	83.9	3.01	90.4	3.24	94.6	3.39	108.2	3.88	**124.4**	**4.46**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-232110B0-Bxx-xxxxx	**2.2**	**11**	**4382**	71.1	1.62	75.3	1.72	78.4	1.79	87.4	1.99	96.7	2.21	96.7	2.21	116.0	2.65	**139.0**	**3.17**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-232165B0-Bxx-xxxxx	**4**	**16.5**	**6573**	88.5	1.35	95.5	1.45	101.1	1.54	116.2	1.77	132.6	2.02	133.1	2.02	166.9	2.54	**208.6**	**3.17**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-232240C0-Bxx-xxxxx	**5.5**	**24**	**9561**	108.1	1.13	114.8	1.20	129.8	1.36	144.3	1.51	160.0	1.67	200.0	2.09	235.6	2.46	**280.1**	**2.93**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
890SD-232300C0-Bxx-xxxxx	**7.5**	**30**	**11951**	122.1	1.02	130.9	1.10	150.6	1.26	170.1	1.42	192.4	1.61	243.3	2.04	292.5	2.45	**358.5**	**3.00**	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

Table Abbreviations:

- P_r = Rated drive power (expressed in **k**ilo**W**atts)
- $I_{r,\,OUT}$ = Rated drive output current (expressed in **A**mps)
- $S_{r,equ}$ = Rated apparent drive output power (expressed in **V**olt-**A**mperes)
- $P_{L,\,CDM\,(X,Y)}$ = absolute power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed in **W**atts)
- $p_{L,\,CDM\,(X,Y)}$ = relative power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed as a Percentage)
- $P_{L,\,control\,standby}$ = Power losses, control board associated, when CDM is in standby mode (expressed in **W**atts)

Notes:

- All calculations performed at nominal 230V, 50Hz supply, using the default switching frequency of the drive rating. See Product Manual HA468445U004 for values.
- Products do not have a Quadratic Torque rating.

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ECO Design: Energy Efficiency Indicator – CDM Compliance to IEC 61800-9-2: 2017

Rated Supply Voltage:	3x 380 – 460Vac +/-10%	
Rated Supply Frequency:	50Hz / 60Hz +/-5%	
Duty:	Constant Torque	Quadratic Torque
Temperature Rating:	0 – 45°C	0 – 40°C

Product Code	P_r (kW)	$I_{r,OUT}$ (A)	$S_{r,equ}$ (VA)	$P_{L,CDM(0,25)}$ (W)	$p_{L,CDM(0,25)}$ (%)	$P_{L,CDM(50,25)}$ (W)	$p_{L,CDM(50,25)}$ (%)	$P_{L,CDM(0,50)}$ (W)	$p_{L,CDM(0,50)}$ (%)	$P_{L,CDM(50,50)}$ (W)	$p_{L,CDM(50,50)}$ (%)	$P_{L,CDM(90,50)}$ (W)	$p_{L,CDM(90,50)}$ (%)	$P_{L,CDM(0,100)}$ (W)	$p_{L,CDM(0,100)}$ (%)	$P_{L,CDM(50,100)}$ (W)	$p_{L,CDM(50,100)}$ (%)	$P_{L,CDM(90,100)}$ (W)	$p_{L,CDM(90,100)}$ (%)	IE2 Compliant	P_r (kW)	$I_{r,OUT}$ (A)	$S_{r,equ}$ (VA)	$P_{L,CDM(0,25)}$ (W)	$p_{L,CDM(0,25)}$ (%)	$P_{L,CDM(50,25)}$ (W)	$p_{L,CDM(50,25)}$ (%)	$P_{L,CDM(0,50)}$ (W)	$p_{L,CDM(0,50)}$ (%)	$P_{L,CDM(50,50)}$ (W)	$p_{L,CDM(50,50)}$ (%)	$P_{L,CDM(90,50)}$ (W)	$p_{L,CDM(90,50)}$ (%)	$P_{L,CDM(0,100)}$ (W)	$p_{L,CDM(0,100)}$ (%)	$P_{L,CDM(50,100)}$ (W)	$p_{L,CDM(50,100)}$ (%)	$P_{L,CDM(90,100)}$ (W)	$p_{L,CDM(90,100)}$ (%)	IE2 Compliant	$P_{L,control\ standby}$ (W)
890SD-432730E0-Bxx-xxxxx	**37**	**73**	**50576**	333.1	0.66	336.5	0.67	413.4	0.82	451.4	0.89	490.5	0.97	715.4	1.41	792.1	1.57	**890.5**	**1.76**	✓	**45**	**87**	**60275**	355.2	0.59	380.8	0.63	474.6	0.79	570.8	0.95	687.9	1.14	848.6	1.41	941.6	1.56	**1069.1**	**1.77**	✓	15
890SD-432870E0-Bxx-xxxxx	**45**	**87**	**60275**	354.7	0.59	381.5	0.63	471.0	0.78	571.0	0.95	690.2	1.15	833.1	1.38	930.3	1.54	**1059.8**	**1.76**	✓	**55**	**105**	**72746**	407.5	0.56	440.0	0.60	551.4	0.76	674.3	0.93	825.7	1.14	1004.4	1.38	1122.6	1.54	**1287.3**	**1.77**	✓	15
890SD-433105Fx-Bxx-xxxxx	**55**	**105**	**72746**	473.0	0.65	505.8	0.70	597	0.82	727.3	1.00	874.9	1.20	979.3	1.35	1138.5	1.56	**1322.9**	**1.82**	✓	**75**	**145**	**100459**	565.5	0.56	612.0	0.61	738.4	0.74	930.6	0.93	1160.0	1.15	1281.5	1.28	1517.9	1.51	**1807.1**	**1.80**	✓	15
890SD-433145Fx-Bxx-xxxxx	**75**	**145**	**100459**	554.3	0.55	598.8	0.60	719.7	0.72	896.1	0.89	1094.0	1.09	1235.2	1.23	1450.8	1.44	**1698.4**	**1.69**	✓	**90**	**165**	**114315**	599.7	0.52	651.8	0.57	788.0	0.69	998.4	0.87	1240.8	1.09	1376.9	1.20	1634.9	1.43	**1939.3**	**1.70**	✓	15
890SD-433156Fx-Bxx-xxxxx	**90**	**180**	**124708**	625.1	0.50	678.6	0.54	819.8	0.66	1034.7	0.83	1280.8	1.03	1418.1	1.14	1682.1	1.35	**1991.2**	**1.60**	✓	**110**	**205**	**142028**	699.5	0.49	761.8	0.54	927.9	0.65	1182.7	0.83	1483.6	1.04	1629.8	1.15	1941.2	1.37	**2318.6**	**1.63**	✓	15
890SD-433216Gx-xxx-xxxxx	**110**	**216**	**149649**	977.4	0.65	1039.2	0.69	1206.3	0.81	1449.0	0.97	1721.5	1.15	1922.9	1.28	2214.9	1.48	**2551.8**	**1.71**	✓	**132**	**260**	**180133**	1082.5	0.60	1159.0	0.64	1369.0	0.76	1675.7	0.93	2026.0	1.12	2281.5	1.27	2656.8	1.47	**3095.6**	**1.72**	✓	35
890SD-433250Gx-xxx-xxxxx	**132**	**250**	**173205**	1158.6	0.67	1229.7	0.71	1444.9	0.83	1727.9	1.00	2050.0	1.18	2308.5	1.33	2652.2	1.53	**3053.6**	**1.76**	✓	**150**	**302**	**209232**	1251.9	0.60	1338.8	0.64	1593.7	0.76	1948.8	0.93	2369.1	1.13	2644.8	1.26	3076.9	1.47	**3602.5**	**1.72**	✓	35
890SD-433316Gx-xxx-xxxxx	**160**	**316**	**218931**	1512.5	0.69	1601.0	0.73	1873.5	0.86	2215.1	1.01	2584.6	1.18	2989.1	1.37	3403.0	1.55	**3861.3**	**1.76**	✓	**180**	**361**	**250108**	1526.6	0.61	1626.3	0.65	1955.8	0.78	2168.1	0.87	2379.2	0.95	3294.1	1.32	3786.5	1.51	**4344.0**	**1.74**	✓	35
890SD-433361Gx-xxx-xxxxx	**180**	**361**	**250108**	1523.4	0.61	1622.0	0.65	1933.7	0.77	2143.8	0.86	2352.6	0.94	3179.8	1.27	3667.0	1.47	**4218.8**	**1.69**	✓	**220**	**420**	**290985**	1642.7	0.56	1759.3	0.60	2127.0	0.73	2378.1	0.82	2634.0	0.91	3621.7	1.24	4214.8	1.45	**4907.3**	**1.69**	✓	35
890SD-433375Hx-xxx-xxxxx	**200**	**375**	**259808**	1651.8	0.64	1754.8	0.68	2085.0	0.80	2305.6	0.89	2526.9	0.97	3408.0	1.31	3923.4	1.51	**4513.8**	**1.74**	✓	**250**	**480**	**332554**	1859.9	0.56	1994.8	0.60	2422.5	0.73	2715.5	0.82	3018.6	0.91	4181.6	1.26	4882.3	1.47	**5715.6**	**1.72**	✓	35
890SD-433420Hx-xxx-xxxxx	**220**	**420**	**290985**	1732.7	0.60	1849.1	0.64	2217.0	0.76	2467.7	0.85	2722.5	0.94	3711.7	1.28	4302.9	1.48	**4991.3**	**1.72**	✓	**250**	**480**	**332554**	1859.9	0.56	1994.8	0.60	2422.5	0.73	2715.5	0.82	3018.6	0.91	4181.6	1.26	4882.3	1.47	**5715.6**	**1.72**	✓	35
890SD-433480Hx-xxx-xxxxx	**250**	**480**	**332554**	1859.6	0.56	1999.3	0.60	2410.1	0.72	2691.0	0.81	2976.7	0.90	4048.0	1.22	4718.2	1.42	**5496.6**	**1.65**	✓	**300**	**545**	**377587**	1991.9	0.53	2141.3	0.57	2607.5	0.69	2934.2	0.78	3274.7	0.87	4496.3	1.19	5288.0	1.40	**6235.3**	**1.65**	✓	35
890SD-433520Hx-xxx-xxxxx	**280**	**520**	**360267**	1943.6	0.54	2085.1	0.58	2527.3	0.70	2835.7	0.79	3154.4	0.88	4305.5	1.20	5047.8	1.40	**5927.5**	**1.65**	✓	**315**	**590**	**408764**	2079.9	0.51	2243.5	0.55	2749.4	0.67	3109.1	0.76	3486.4	0.85	4818.5	1.18	5698.2	1.39	**6757.3**	**1.65**	✓	35
890SD-433590Jx-xxx-xxxxx	**315**	**590**	**408764**	2079.9	0.51	2243.7	0.55	2749.4	0.67	3109.0	0.76	3488.9	0.85	4818.5	1.18	5701.3	1.39	**6767.1**	**1.66**	✓	**355**	**650**	**450333**	2207.4	0.49	2390.0	0.53	2953.6	0.66	3358.8	0.75	3792.7	0.84	5279.1	1.17	6283.0	1.40	**7521.4**	**1.67**	✓	35

Table Abbreviations:

- P_r = Rated drive power (expressed in **k**ilo**W**atts)
- $I_{r,OUT}$ = Rated drive output current (expressed in **A**mps)
- $S_{r,equ}$ = Rated apparent drive output power (expressed in **V**olt-**A**mperes)
- $P_{L,CDM(X,Y)}$ = absolute power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed in **W**atts)
- $p_{L,CDM(X,Y)}$ = relative power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed as a Percentage)
- $P_{L,control\ standby}$ = Power losses, control board associated, when CDM is in standby mode (expressed in **W**atts)

Notes:

- All calculations performed at nominal 400V, 50Hz supply, using the default switching frequency of the drive rating. See Product Manuals HA469315U004 & HA471397U003 for values.

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ECO Design: Energy Efficiency Indicator – CDM Compliance to IEC 61800-9-2: 2017

Rated Supply Voltage: 3x 380 – 500Vac +/-10%

Rated Supply Frequency: 50 Hz / 60Hz +/-5%

Duty: Constant Torque — **Temperature Rating:** 0 – 45°C

Product Code	P_r (kW)	$I_{r,\text{OUT}}$ (A)	$S_{r,equ}$ (VA)	$P_{L,\text{CDM}(0,25)}$ (W)	$p_{L,\text{CDM}(0,25)}$ (%)	$P_{L,\text{CDM}(50,25)}$ (W)	$p_{L,\text{CDM}(50,25)}$ (%)	$P_{L,\text{CDM}(0,50)}$ (W)	$p_{L,\text{CDM}(0,50)}$ (%)	$P_{L,\text{CDM}(50,50)}$ (W)	$p_{L,\text{CDM}(50,50)}$ (%)	$P_{L,\text{CDM}(90,50)}$ (W)	$p_{L,\text{CDM}(90,50)}$ (%)	$P_{L,\text{CDM}(0,100)}$ (W)	$p_{L,\text{CDM}(0,100)}$ (%)	$P_{L,\text{CDM}(50,100)}$ (W)	$p_{L,\text{CDM}(50,100)}$ (%)	$P_{L,\text{CDM}(90,100)}$ (W)	$p_{L,\text{CDM}(90,100)}$ (%)	IE2 Compliant
890SD-531200B0-Bxx-xxxxx	0.55	2	1386	60.3	4.35	60.9	4.39	62.4	4.50	63.7	4.60	65.1	4.70	67.4	4.87	70.4	5.08	73.8	5.32	✓
890SD-531350B0-Bxx-xxxxx	1.1	3.5	2425	62.1	2.56	63.1	2.60	65.7	2.71	67.6	2.79	69.4	2.86	74.3	3.06	78.3	3.23	82.6	3.41	✓
890SD-531450B0-Bxx-xxxxx	1.5	4.5	3118	74.7	2.39	75.9	2.44	79.9	2.56	82.6	2.65	85.5	2.74	92.7	2.97	98.7	3.17	105.9	3.40	✓
890SD-531600B0-Bxx-xxxxx	2.2	6	4157	76.2	1.83	78.1	1.88	82.7	1.99	86.6	2.08	90.5	2.18	99.0	2.38	107.5	2.59	117.0	2.81	✓
890SD-532100B0-Bxx-xxxxx	4	10	6928	108.6	1.57	111.5	1.61	120.0	1.73	126.2	1.82	132.9	1.92	148.3	2.14	162.0	2.34	179	2.58	✓
890SD-532120B0-Bxx-xxxxx	5.5	12	8314	102.0	1.23	105.9	1.27	116.4	1.40	124.6	1.50	133.0	1.60	160.6	1.93	180.4	2.17	203.4	2.45	✓
890SD-532160B0-Bxx-xxxxx	7.5	16	11085	112.7	1.02	118.1	1.07	132.6	1.20	144.5	1.30	157.2	1.42	195.1	1.76	224.8	2.03	261.4	2.36	✓
890SD-53216SB0-Bxx-xxxxx	7.5	16	11085	107.5	0.97	111.4	1.01	125.0	1.13	133.6	1.21	143.2	1.29	179.7	1.62	201.0	1.81	228.5	2.06	✓
890SD-532240C0-Bxx-xxxxx	11	24	16628	132.7	0.80	139.8	0.84	158.4	0.95	173.8	1.05	191.0	1.15	238.8	1.44	277.0	1.67	326.8	1.97	✓
890SD-532300C0-Bxx-xxxxx	15	30	20785	145.6	0.70	154.8	0.74	178.3	0.86	199.0	0.96	223.2	1.07	282.3	1.36	335.5	1.61	408.9	1.97	✓
890SD-53230SC0-Bxx-xxxxx	15	30	20785	147.7	0.71	156.7	0.75	178.9	0.86	199.0	0.96	222.8	1.07	276.0	1.33	327.6	1.58	399.6	1.92	✓
890SD-532390D0-Bxx-xxxxx	18.5	39	27020	198.3	0.73	208.9	0.77	240.2	0.89	263.1	0.97	288.1	1.07	370.1	1.37	426.2	1.58	497.9	1.84	✓
890SD-532450D0-Bxx-xxxxx	22	45	31177	211.2	0.68	223.5	0.72	259.6	0.83	286.7	0.92	317.7	1.02	410.3	1.32	479.0	1.54	571.1	1.83	✓
890SD-532590D0-Bxx-xxxxx	30	59	40876	243.7	0.60	260.2	0.64	305.0	0.75	341.7	0.84	385.2	0.94	496.0	1.21	589.3	1.44	720.3	1.76	✓
890SD-532730E0-Bxx-xxxxx	37	67	58024	324.5	0.56	345.7	0.60	414.4	0.71	495.5	0.85	585.2	1.01	678.5	1.17	771.6	1.33	879.0	1.51	✓
890SD-532870E0-Bxx-xxxxx	45	79	68416	376.7	0.55	400.0	0.58	491.5	0.72	579.0	0.85	681.5	1.00	837.8	1.22	926.5	1.35	1040.4	1.52	✓
890SD-533105Fx-Bxx-xxxxx	55	100	86603	515.0	0.59	545.6	0.63	646.4	0.75	763.0	0.88	886.2	1.02	1046.0	1.21	1187.2	1.37	1339.7	1.55	✓
890SD-533145Fx-Bxx-xxxxx	75	125	108253	553.8	0.51	592.8	0.55	707.4	0.65	858.4	0.79	1024.1	0.95	1179.8	1.09	1360.5	1.26	1564.3	1.45	✓
890SD-533156Fx-Bxx-xxxxx	90	156	135100	651.8	0.48	698.1	0.52	842.6	0.62	1024.9	0.76	1228.0	0.91	1415.9	1.05	1637.5	1.21	1890.5	1.40	✓

Duty: Quadratic Torque — **Temperature Rating:** 0 – 40°C

Product Code	P_r (kW)	$I_{r,\text{OUT}}$ (A)	$S_{r,equ}$ (VA)	$P_{L,\text{CDM}(0,25)}$ (W)	$p_{L,\text{CDM}(0,25)}$ (%)	$P_{L,\text{CDM}(50,25)}$ (W)	$p_{L,\text{CDM}(50,25)}$ (%)	$P_{L,\text{CDM}(0,50)}$ (W)	$p_{L,\text{CDM}(0,50)}$ (%)	$P_{L,\text{CDM}(50,50)}$ (W)	$p_{L,\text{CDM}(50,50)}$ (%)	$P_{L,\text{CDM}(90,50)}$ (W)	$p_{L,\text{CDM}(90,50)}$ (%)	$P_{L,\text{CDM}(0,100)}$ (W)	$p_{L,\text{CDM}(0,100)}$ (%)	$P_{L,\text{CDM}(50,100)}$ (W)	$p_{L,\text{CDM}(50,100)}$ (%)	$P_{L,\text{CDM}(90,100)}$ (W)	$p_{L,\text{CDM}(90,100)}$ (%)	IE2 Compliant	$P_{L,\text{control standby}}$ (W)
890SD-531200B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-531350B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-531450B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-531600B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-532100B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-532120B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-532160B0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-53216SB0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
890SD-532240C0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
890SD-532300C0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
890SD-53230SC0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
890SD-532390D0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
890SD-532450D0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
890SD-532590D0-Bxx-xxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
890SD-532730E0-Bxx-xxxxx	45	79	68416	370.0	0.54	393.0	0.57	486.3	0.71	572.9	0.84	675.7	0.99	842.7	1.23	929.3	1.36	1043.1	1.52	✓	15
890SD-532870E0-Bxx-xxxxx	55	98	84870	432.2	0.51	462.2	0.54	576.9	0.68	689.9	0.81	828.0	0.98	1023.1	1.21	1132.0	1.33	1282.1	1.51	✓	15
890SD-533105Fx-Bxx-xxxxx	55	125	108253	583.3	0.54	622.1	0.57	749.5	0.69	901.6	0.83	1069.1	0.99	1260.9	1.16	1446.8	1.34	1656.1	1.53	✓	15
890SD-533145Fx-Bxx-xxxxx	75	156	135100	627.8	0.46	675.4	0.50	819.7	0.61	1010.8	0.75	1227.7	0.91	1416.7	1.05	1653.2	1.22	1926.9	1.43	✓	15
890SD-533156Fx-Bxx-xxxxx	110	180	155885	707.0	0.45	760.8	0.49	926.1	0.59	1144.0	0.73	1395.3	0.90	1590.6	1.02	1859.8	1.19	2176.9	1.40	✓	15

Table Abbreviations:

- P_r = Rated drive power (expressed in **k**ilo**W**atts)
- $I_{r,\text{OUT}}$ = Rated drive output current (expressed in **A**mps)
- $S_{r,equ}$ = Rated apparent drive output power (expressed in **V**olt-**A**mperes)
- $P_{L,\text{CDM}(X,Y)}$ = absolute power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed in **W**atts)
- $p_{L,\text{CDM}(X,Y)}$ = relative power losses, CDM associated, in operating condition (X, Y), where X = Motor stator frequency (%) and Y = Torque producing current (%), (expressed as a Percentage)
- $P_{L,\text{control standby}}$ = Power losses, control board associated, when CDM is in standby mode (expressed in **W**atts)

Notes:

- Frame B-D calculations performed at nominal 400V, 50Hz supply, using the default switching frequency of the drive rating. See Product Manual HA468445U004 for values.
- Frame E & F calculations performed at nominal 500V, 50Hz supply, using the default switching frequency of the drive rating. See Product Manual HA469315U004 for values.
- Frame B-D products do not have a Quadratic Torque rating.